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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Seemant (nmi) Choudhary et al.

Serial No.: 10/052,886

Filing Date: January 18, 2002

Group Art Unit: Unknown

Title: SYSTEM AND METHOD FOR MULTI-LEVEL  
PHASE MODULATED COMMUNICATION

JUL 23 2002

Technology Center 2600

RECEIVED



Honorable Assistant Commissioner  
for Patents  
Washington, D.C. 20231

Dear Sir:

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" under 37 C.F.R. § 1.10 on the date indicated below and is addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

Willie Jiles

Name

7-17-02

Date of Signature

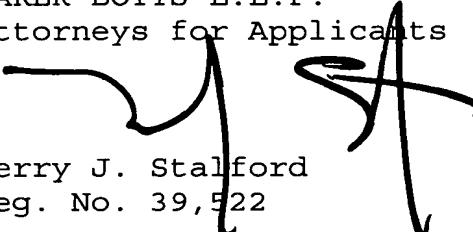
Express Mail No. EL953698305US

INFORMATION DISCLOSURE STATEMENT

Applicants respectfully request, pursuant to 37 C.F.R. § 1.56, 1.97, and 1.98, that the references listed on the attached PTO-1449 form be considered and cited in the examination of the above-identified patent application. Copies of these references are enclosed for the convenience of the Examiner. Furthermore, pursuant to 37 C.F.R. § 1.97(h), no representation is made that these references qualify as prior art or that these references are material to the patentability of the present application.

Pursuant to 37 C.F.R. § 1.97(b)(3), Applicants believe that this Information Disclosure Statement has been filed before the mailing date of the first Official Action in this case. Therefore, Applicants believe that no fee is due. However, if a fee is required, the Commissioner is hereby authorized to charge any fees or credit any overpayments to Deposit Account No. 02-0384 of Baker & Botts, L.L.P.

Respectfully submitted,  
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Date: July 17, 2002

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PTO-1449 <b>Information Disclosure Citation In an Application</b> P E JC5B		Application No. 10/052,886	Applicant(s) Seemant (nmi) Choudhary et al.	
		Docket Number 064731.0263	Group Art Unit Unknown	Filing Date January 18, 2002

JUL 17 2002

**U.S. PATENT DOCUMENTS**

		DOCUMENT NO.	NAME	CLASS	SUBCLASS	FILING DATE
	A	3,660,608	05/02/72 Moose, Jr. et al.	179	15	11/29/68
	B	4,083,009	04/04/78 Bickford et al.	325	304	06/04/76
	C	4,344,178	08/10/82 Waters	375	81	09/26/80
	D	4,581,586	04/08/86 Rubin	329	50	08/17/84
	E	4,723,315	02/02/88 Wetherell	455	619	06/24/86
	F	4,814,719	03/21/89 Guyer	329	124	12/14/87
	G	5,317,382	05/31/94 Miyazaki et al.	356	351	11/25/91
	H	5,323,258	06/21/94 Tsushima et al.	359	190	10/04/91
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	J	5,805,567	09/08/98 Ramesh	370	204	09/13/96
	K	5,903,555	05/11/99 Wildauer et al.	370	342	10/30/96
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	M	5,999,570	12/07/99 Chaki	375	281	11/18/96
	N	6,219,374 B1	04/17/01 Kim et al.	375	130	07/14/98

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		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	O	JP 3213077	09/18/91	Japan	H04N	7/08	X	
	P	WO 91/18455	11/28/91	PCT	H04B	10/12	X	
	Q	WO 95/24773	09/14/95	PCT	H04B		X	

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
R	S. Haykin, <i>Communication Systems, Second Edition</i> , John Wiley & Sons, copyright 1978, 4 pages.	1978
S	L. G. Kazovsky, "Decision Driven Phase-locked Loop for Optical Homodyne, Receivers: Performance Analysis and Laser Linewidth Requirements," <i>Journal of Lightwave Technology</i> , Vol. LT-3, No. 6, December 1985, pp. 1238-1247.	December 1985
T	F. Derr, "Optical QPSK Homodyne Transmission of 280 Mbps," <i>Electronics Letters</i> , Vol. 26, No. 6, pp. 401-403, March 15, 1990.	March 15, 1990
U	J. Kahn et al., "4 Gb/s PSK Homodyne Transmission System Using Phase-Locked Semiconductor Lasers," <i>IEEE Photonics Technology Letters</i> , Vol. 2, No. 4, April 1990, pp. 285-287.	April 1990

**EXAMINER****DATE CONSIDERED**

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

PTO-1449		Application No. 10/052,886	Applicant(s) Seemant (nmi) Choudhary et al.	
Information Disclosure Citation In an Application		Docket Number 064731.0263	Group Art Unit Unknown	Filing Date January 18, 2002
JUL 17 2002 U.S. PATENT DOCUMENTS				

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	V						
	W						
	X						
	Y						
	Z						
	AA						
	BB						
	CC						
	DD						
	EE						
	FF						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	GG							
	HH							
	II							

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JJ		S. Norimatsu et al., "10 Gbit/s Optical PSK Homodyne Transmission Experiments Using External Cavity DFP LDs," <i>Electronics Letters</i> , Vol. 26, No. 10, May 10, 1990, pp. 648-649.	May 10, 1990
KK		S. Norimatsu et al., "PSK Optical Homodyne Detection Using External Cavity Laser Diodes in Costas Loop," <i>IEEE Photonics Technology Letters</i> , Vol. 2, No. 5, pp. 374-376, May 1990.	May 1990
LL		S. Norimatsu et al., "PLL Propagation Delay-Time Influence on Linewidth Requirements of Optical PSK Homodyne Detection," <i>Journal of Lightwave Technology</i> , Vol. 9, No. 10, October 1991, pp. 1367-1375.	October 1991
MM		S. Norimatsu et al., "An 8 Gb/s QPSK Optical Homodyne Detection Experiment Using External-Cavity Laser Diodes," <i>IEEE Photonics Technology Letters</i> , Vol. 4, No. 7, July 1992, pp. 765-767.	July 1992
NN		T. Miyano, et al. "Suppression of Degradation Induced by SPM/XPM+GVD in WDM Transmission Using a Bit-Synchronous Intensity Modulated DPSK Signal," <i>Fifth Optoelectronics and Communications Conference Technical Digest</i> , July 2000, pp. 580-581.	July 2000

EXAMINER

DATE CONSIDERED

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